

AGENDA



8:30 – 9:15 AM: Welcome / Introductions / Overview

9:15 – 9:45 AM: Statewide Summary

9:45 – 10:15 AM: Regional Summary

10:15 – 11:30 AM: Safety Strategy Session

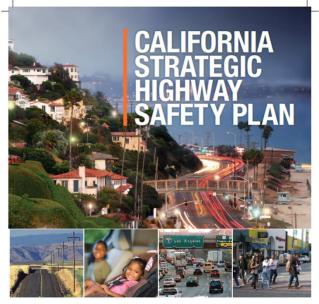
11:30 – 12:00 PM: Report Out and Closing

SHSP OVERVIEW

- Guides safety activities for all roadway users
- Addresses safety on all public roads
- All agency coordinated approach
- Strategic, data-driven process
- Federal requirement

Current SHSP covers 2015 to 2019







2015-2019

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- Current SHSP covers 2015 to 2019







2015-2019



Improve safety

Save lives Reduce preventable injuries

Improve livability

Support active transportation goals
Improve public health
Coordinate with congestion management efforts

Share local knowledge

Exchange best practices
Access information and data
Funding and partnering opportunities

SHSP



Vision Statement

Safe Public Roads Across California.

Mission Statement

Ensure safety for all modes of travel on California's public Roads

Objective

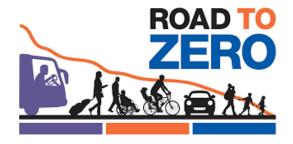
Zero Fatalities and Serious Injuries.

MULTIPLE SAFETY APPROACHES







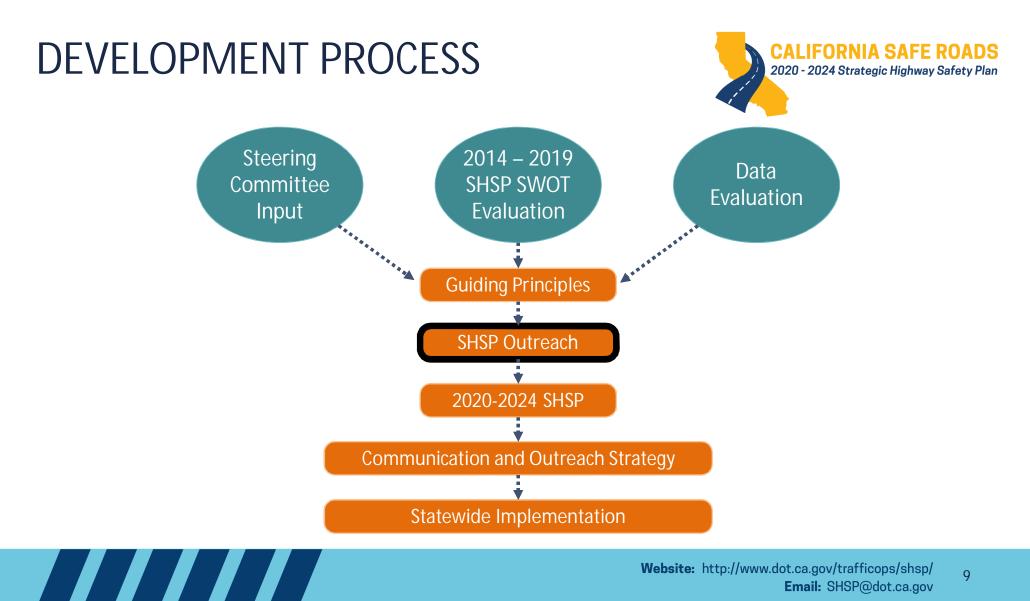


STATEWIDE COLLABORATION



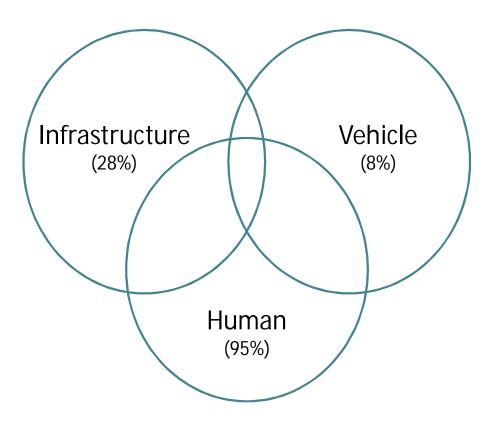
Working together to reduce fatalities and serious injuries on all public roadways.





COLLISION FACTORS





4 Es now 5 Es OF TRAFFIC SAFETY





SHSP CONNECTIONS **CALIFORNIA SAFE ROADS** 2020 - 2024 Strategic Highway Safety Plan **SHSP Highway Safety** Commercial Vehicle Improvement Highway Safety Plan Safety Plan Program State and Local Safety **Behavioral Safety Projects** Grants

CALTRANS HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP)



- FAST Act
 - Continues the Highway Safety Improvement Program as a core Federal Aid program to significantly <u>reduce fatalities and serious injuries</u> on all public roads.
 - Local HSIP Program
 - Safety Improvement Projects (Benefit/Cost selected safety projects)
 - (New) Systemic Safety Analysis Report Program (SSARP)



OFFICE OF TRAFFIC SAFETY



- Liaison with the National Highway Traffic Safety Administration (NHTSA)
- California Highway Safety Plan
- Annual Performance Report
- Grant Programs



CALIFORNIA HIGHWAY PATROL



- Mission Provide the highest level of Safety, Service, and Security
- CHP involvement in the SHSP

- Executive Committee Commissioner Warren Stanley
- Steering Committee Assistant Chief
- Lead or Co-lead on 10 of the 15 Challenge Areas
- Active involvement on 13 of the 15 Challenge Areas
- Lead or Co-lead on 25 of the Actions
- Mileage Death Rate on the increase (2013: .94 to 2016: 1.08)
- Work with the Office of Traffic Safety to incorporate SHSP initiatives into the CHP Grants



CALIFORNIA HIGHWAY PATROL



- Current SHSP Actions the CHP is working on
 - Action 5.1 Update CHP DUI Checkpoint Educational Pamphlet with an emphasis on drugs
 - Action 6.1 Develop an issue paper establishing benefits of Standardized Field Sobriety Tests (SFSTs) training for law enforcement agencies
 - Action 6.2 Increase the number of Advanced Roadside Impaired Driving Enforcement (ARIDE) personnel trained by 8 percent
 - Action 4.1 Develop a media campaign....to raise awareness about speeding and aggressive driving
 - Action 2.2 Identify locations with reported pedestrian safety issues and conduct high visibility pedestrian safety enforcement operations

CALIFORNIA HIGHWAY PATROL



Commercial Vehicle Safety Plan

- Funded by the Motor Carrier Safety Assistance Program (MCSAP) Grant 2018-20
- Reduce commercial motor vehicle (CMV) involved collisions within CHP jurisdiction, including the Mileage Death Rate for CMVs
- 53 Commercial Vehicle Enforcement Facilities (38 locations)
- 144 Mobile Road Enforcement Officers
- CMV Fatal Crashes 302.6 per year (5 year average)
- MCSAP Activities: Driver and Vehicle Inspections, Enforcement,
 Compliance Reviews and Audits, Public Education, and Data Collection



FHWA



- SHSP is a requirement under SAFETEA-LU
- Statewide-coordinated safety plan led by State DOT that provides comprehensive framework for reducing fatalities and serious injuries on all public roads
- Identifies a State's key safety needs and guides investment decisions towards strategies and countermeasure with the most potential to save lives and prevent injuries
- SHSP shall be data driven, evaluate performance and updated
- SHSP Challenge Areas, Revisions and Stakeholders





DATA-DRIVEN IMPLEMENTATION

CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

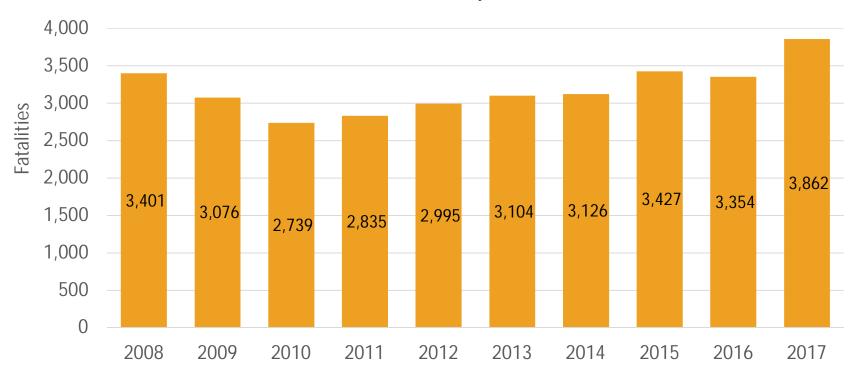
- Data analysis drives implementation
- 2020 to 2024 Data

- 10 years (2008 to 2017)
- 128,974 fatal and serious injury collisions
- 147,458 fatal and serious injuries
- 1.14 fatal and serious injuries / collision





Total Fatalities by Year



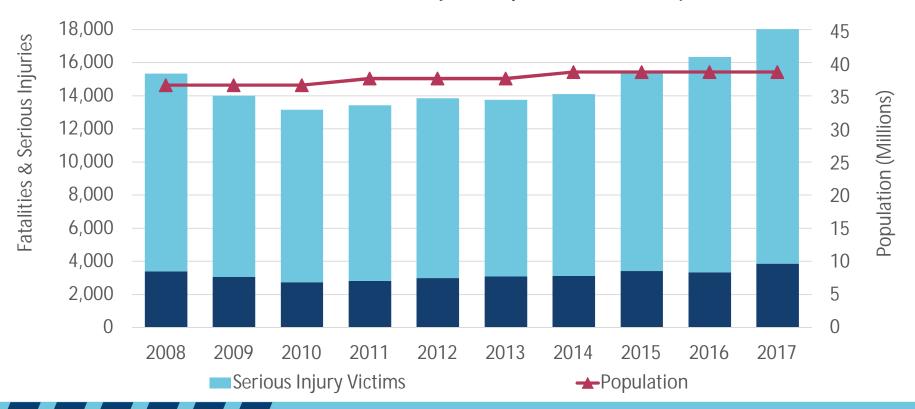


Total Fatalities and Serious Injuries by Year



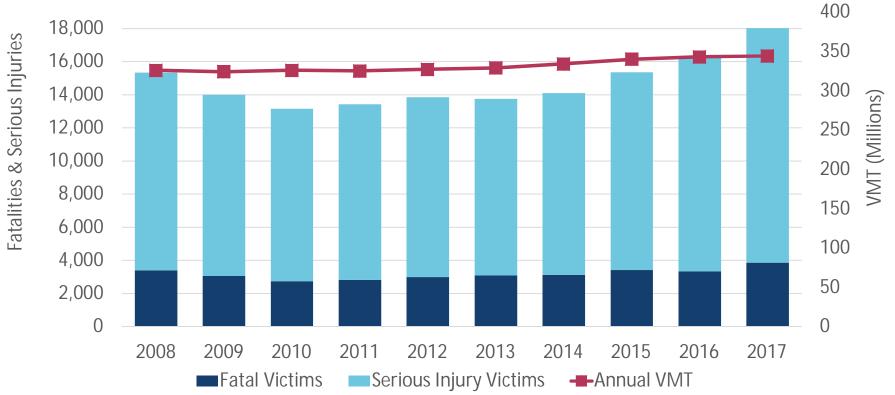


Total Fatalies and Serious Injuries by Year Versus Population





Total Fatalies and Serious Injuries by Year Versus VMT





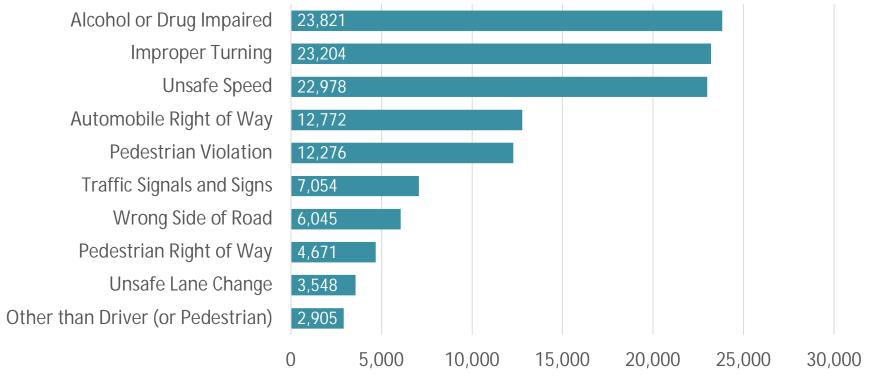
Fatality & Serious Injury Rates



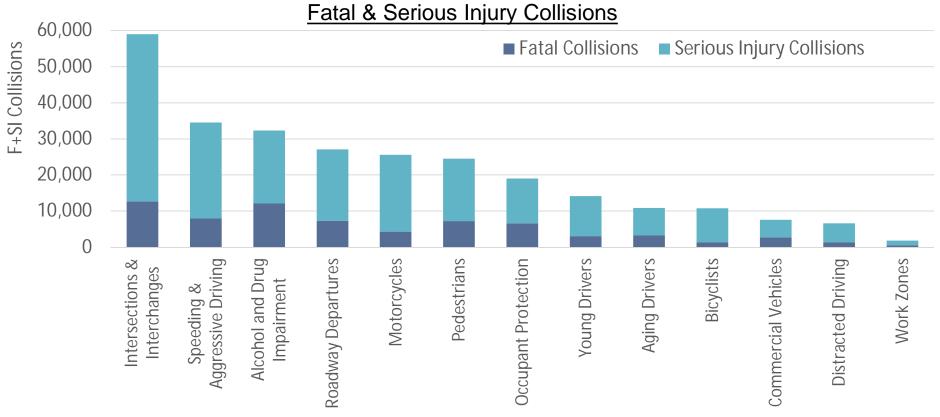
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Fatal and Serious Injury Collision Rankings

Cotogory	Fatal and Serious Injury			Fatal Only		Serious Injury Only	
Category	Rank	%	% Change	Rank	%	Rank	%
Intersections, Interchanges, and Other Roadway Access	1	45.7 %	0.14%	1	43.2 %	1	46.5 %
Speeding and Aggressive Driving	2	26.8 %	2.24%	3	27.4 %	2	26.7 %
Alcohol and Drug Impairment	3	25.1 %	-4.91%	2	41.4 %	4	20.3 %
Driver Licensing and Competency (Fatal only)	4*	24.5 %*	2.04%	6	24.5 %*	*	*
Roadway Departures and Head-On Collisions	5	21.0 %	-1.52%	4	25.0 %	5	19.9 %
Motorcycles	6	19.9 %	2.04%	8	14.8 %	3	21.4 %
Pedestrians	7	19.0 %	0.85%	5	24.9 %	6	17.3 %
Occupant Protection	8	14.8 %	-2.18%	7	22.6 %	7	12.5 %
Young Drivers	9	11.0 %	-1.20%	10	10.6 %	8	11.2 %
Aging Drivers	10	8.5 %	1.65%	9	11.3 %	10	7.6 %
Bicycling	11	8.4 %	-0.40%	12	4.8 %	9	9.4 %
Commercial Vehicles	12	5.9 %	-2.65%	11	9.5 %	12	4.9 %
Distracted Driving	13	5.2 %	-0.20%	13	4.8 %	11	5.3 %
Work Zones	14	1.5 %	0.08%	14	1.8 %	13	1.4 %

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Intersections, Interchanges, and Other Roadway Access 43%

0

Pedestrians 23%



Commercial Vehicles 10%



Alcohol and Drug Impairment 42%



Occupant Protection 19%



Distracted Driving 5%



Speeding and Aggressive Driving 28%



Aging Drivers 14%



Bicycling 4%



Roadway Departure & Head-on Collisions 26%



Motorcycles 14%



Work Zone 2%



CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

Driver Licensing and Competency 25%



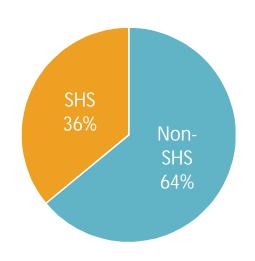
Young Drivers 13%

Percent of total fatalities

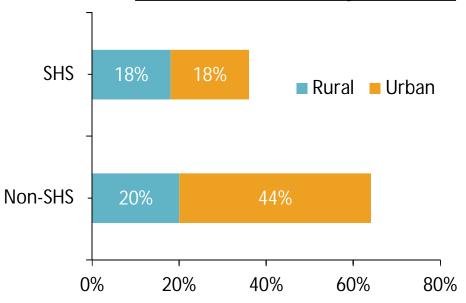
Fatal & Serious Injury Collisions



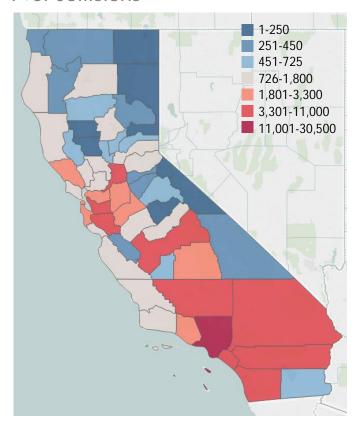
State Highway System (SHS) vs. Non-SHS



Percent of Victims by Location

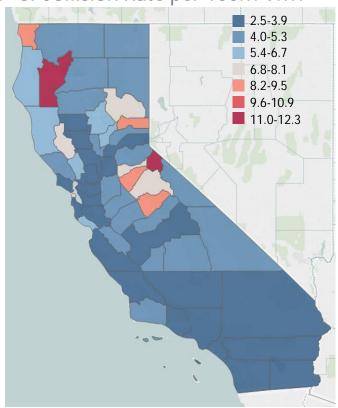


F+SI Collisions

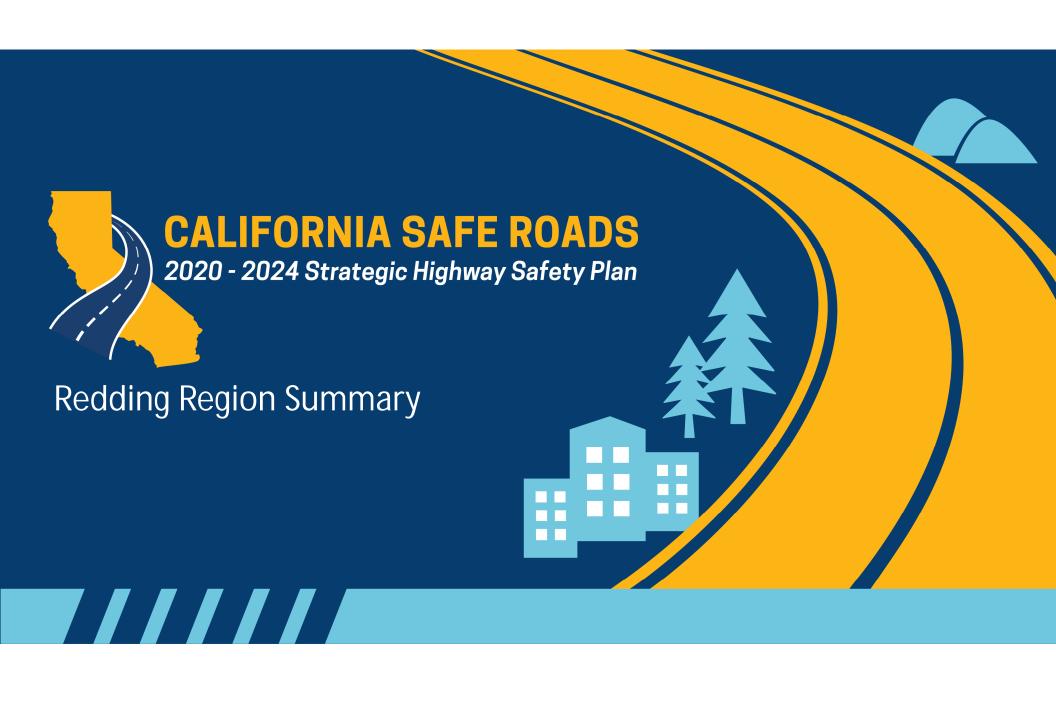




F+SI Collision Rate per 100M VMT



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OUTREACH EVENTS

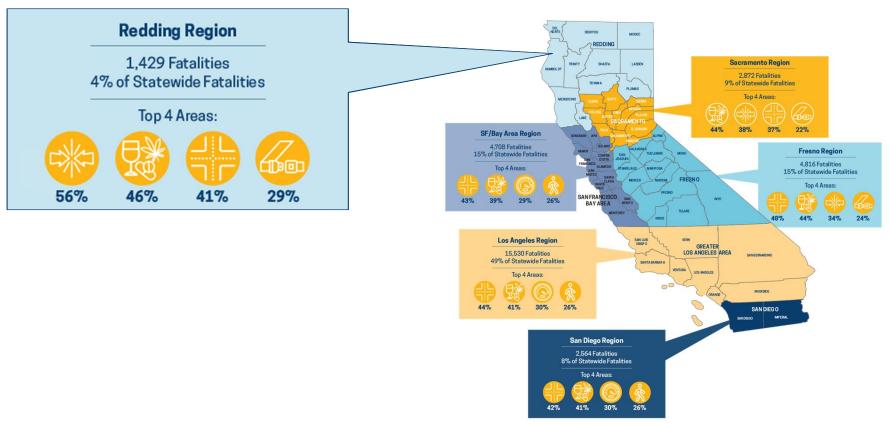






REGIONAL COLLISION DATA





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REDDING REGION





11 Counties

- Del Norte
- Humboldt
- Lake
- Lassen
- Mendocino
- Modoc
- Plumas

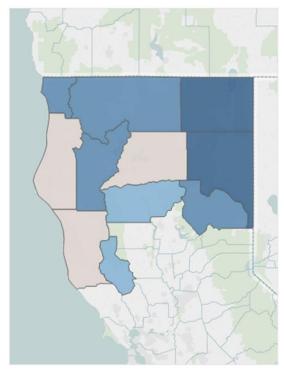
- Shasta
- Siskyou
- Tehama
- Trinity

REGIONAL COLLISION DATA

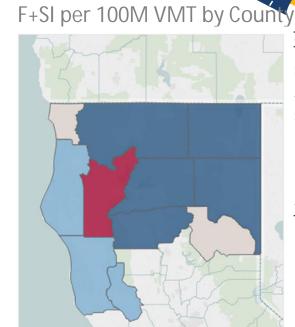
CALIFORNIA SAFE ROADS

2020 - 2024 Strategic Highway Safety Plan

F+SI by County

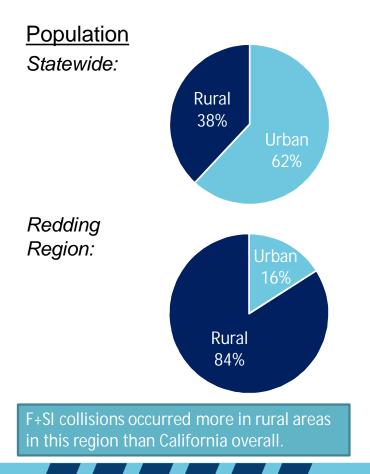


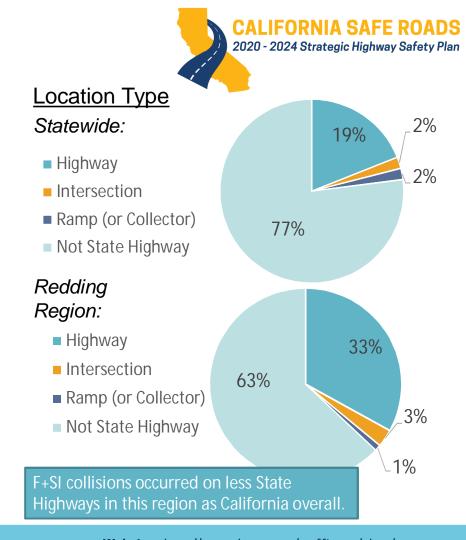
County	F+SI
Modoc	90
Lassen	221
Del Norte	251
Trinity	265
Plumas	276
Siskyou	402
Tehama	463
Lake	519
Mendocino	867
Humboldt	1,012
Shasta	1,019



County	F+SI per 100M VMT
Lassen	4.0
Siskyou	4.1
Modoc	4.2
Tehama	4.6
Shasta	4.9
Humboldt	6.6
Mendocino	6.6
Lake	7.2
Plumas	7.7
Del Norte	8.5
Trinity	12.3

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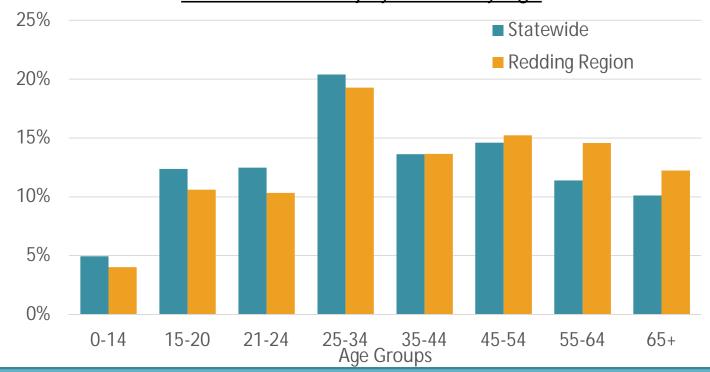




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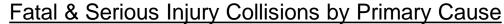


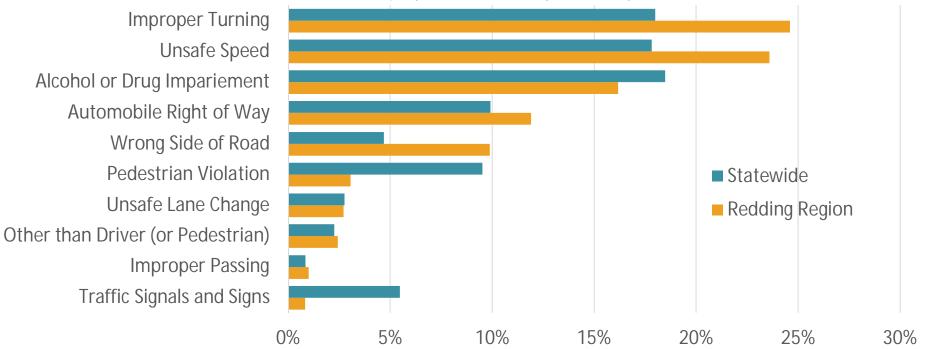
Fatal & Serious Injury Victims by Age



F+SI collisions involved more people aged 45+ in this region than California overall.

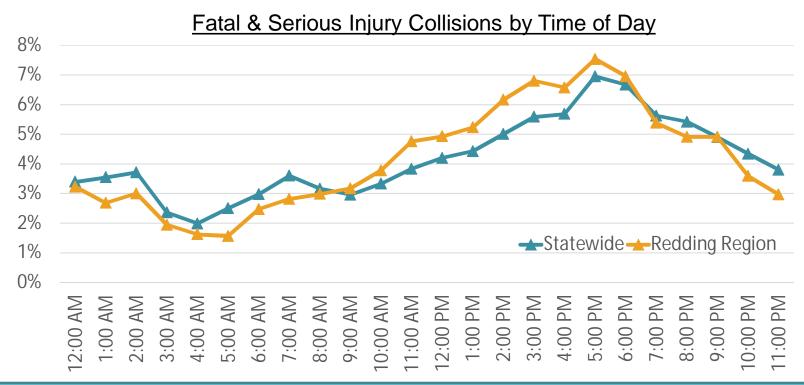






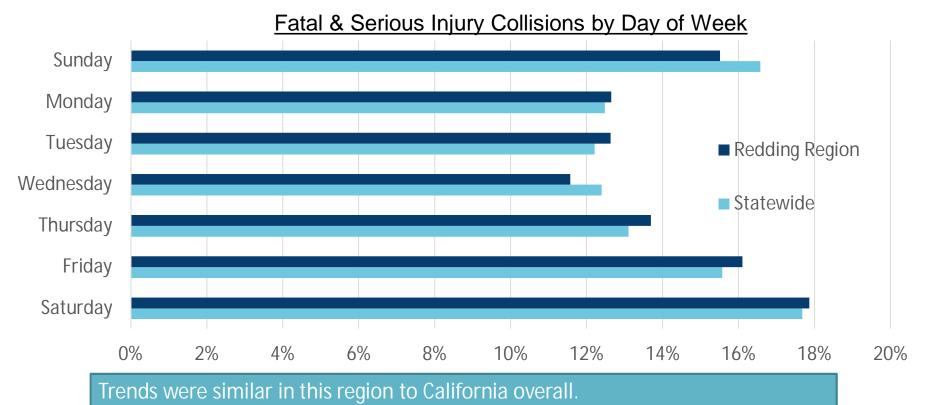
More wrong side of road collisions and less traffic signal collisions occurred in this region than California overall





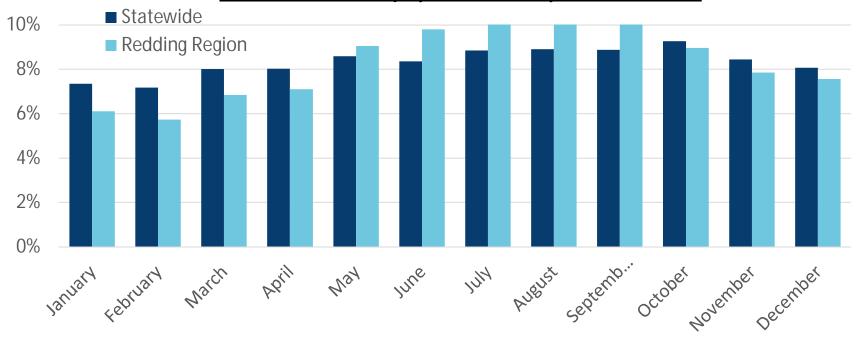
More collisions occurred between 10:00 AM and 6:00 PM in this region that California overall.











More collisions occurred in summer months and less in winter months in this region than California overall.

COLLISIONS OVERVIEW



Alcohol and Drug Impairment Statewide: 42% Redding Region: 44%



Occupant Protection Statewide: 19% Redding Region 22%



Statewide: 10%
Redding Region: 9%



Roadway Departure

Statewide: 26%

Redding Region : 38% Higher



Pedestrians

Statewide: 23%

Redding Region : 19% Lower



Bicycling Statewide: 4% Redding Region: 5%



Intersections & Interchanges

Statewide: 43%

Redding Region: 37%

Lower



Aging Drivers Statewide: 14% Redding Region: 16%



Distracted Driving Statewide: 5% Redding Region: 4%



Speeding and Aggressive Driving

Statewide: 28% Redding Region: 26%



Young Drivers Statewide: 13% Redding Region: 14%



Statewide: 2% Redding Region: 2%



CALIFORNIA SAFE ROADS

Driver Licensing and Competency

Statewide: 25% Redding Region: 24%



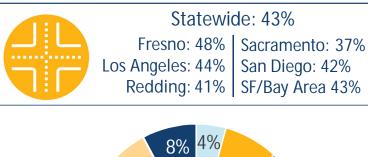
Motorcycles Statewide: 14% Redding Region: 13%

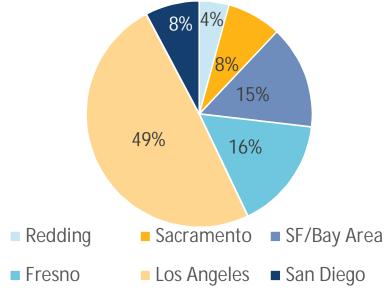
Percent of total fatalities

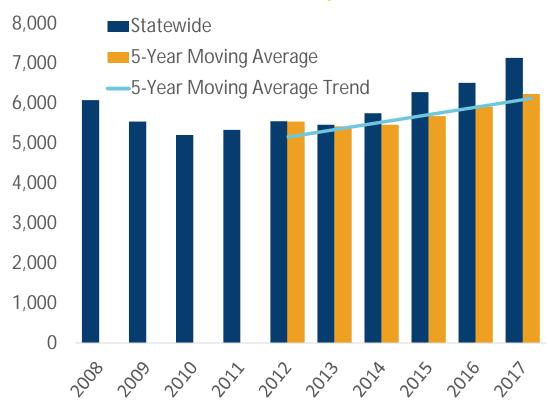
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INTERSECTIONS & INTERCHANGES



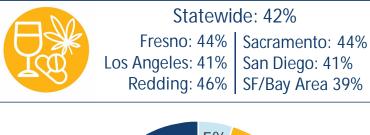


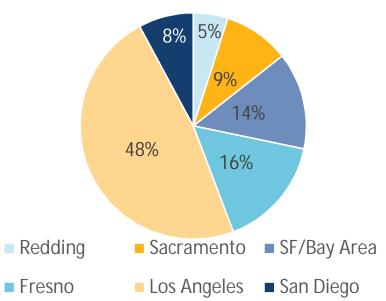


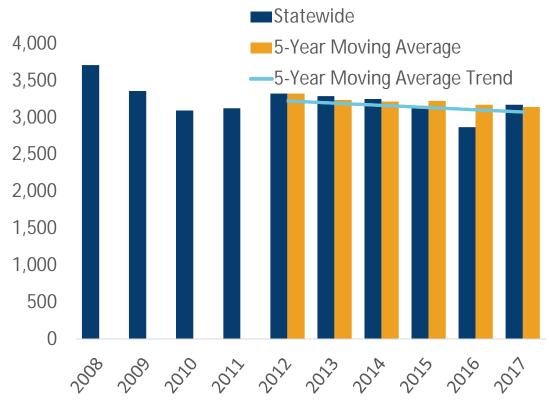


ALCOHOL & DRUG IMPAIRMENT



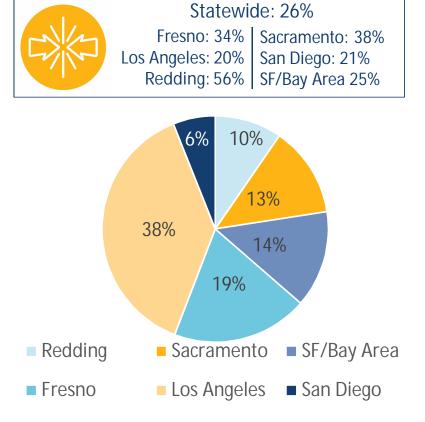


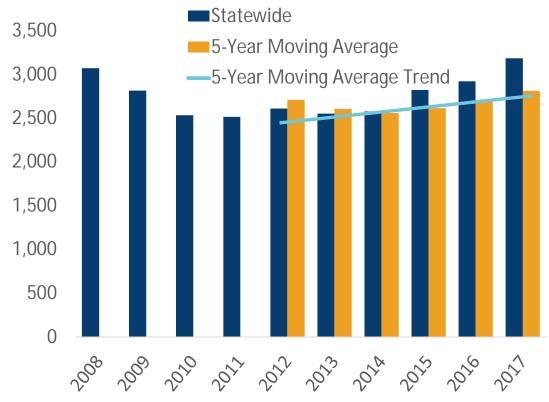




ROADWAY DEPARTURES

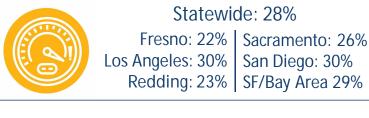


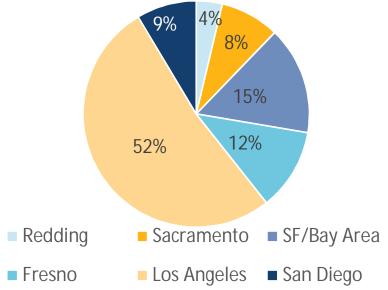


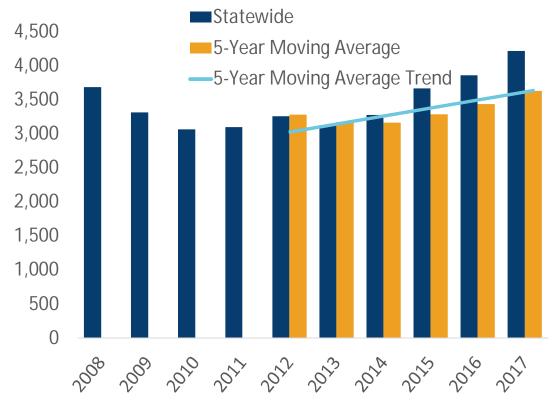


SPEEDING & AGGRESSIVE DRIVING









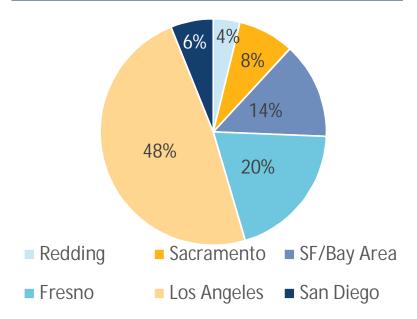
DRIVER LICENSING & COMPETENCY

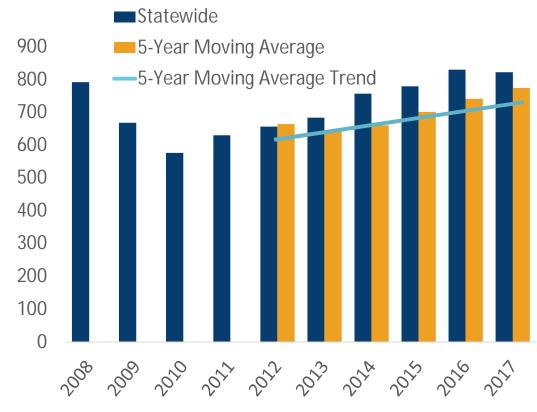




Statewide: 25%
Fresno: 33% | Sacramento: 24%
Los Angeles: 25% | San Diego: 19%

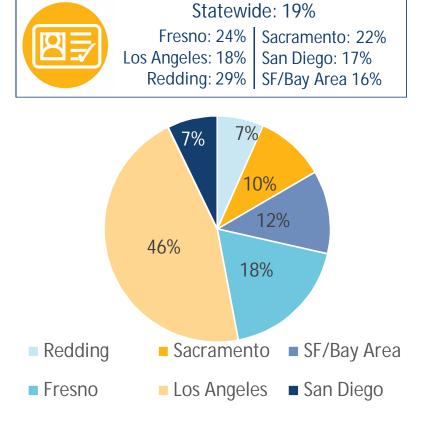
Redding: 21% | SF/Bay Area 24%

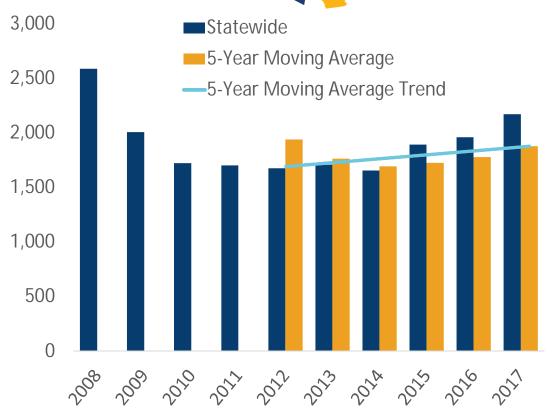




OCCUPANT PROTECTION

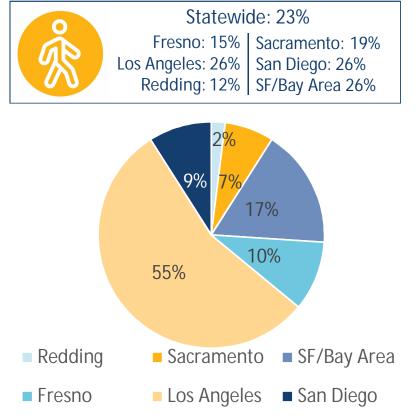


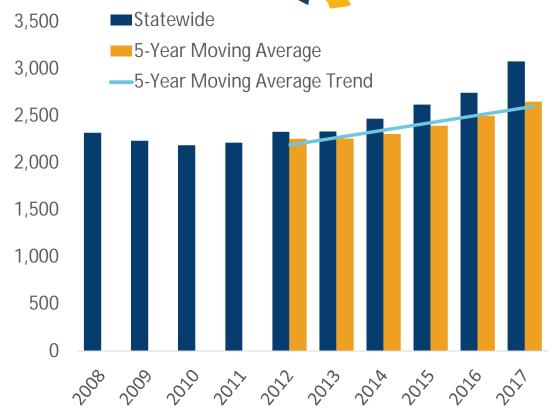




PEDESTRIANS

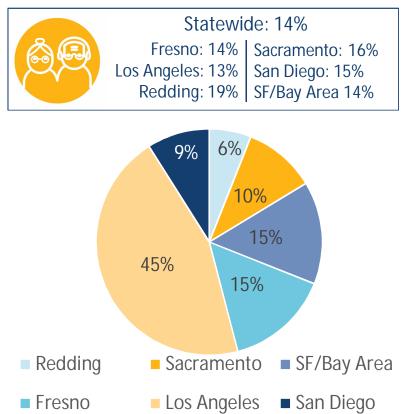


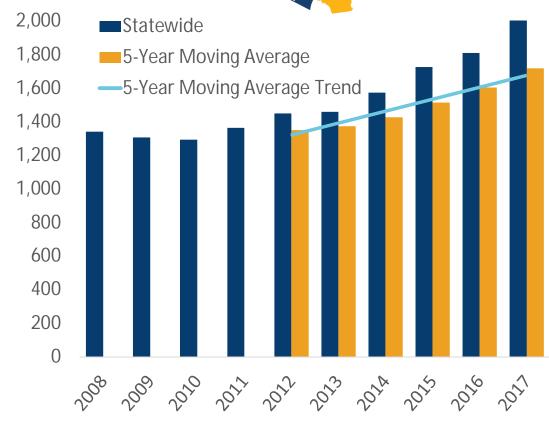




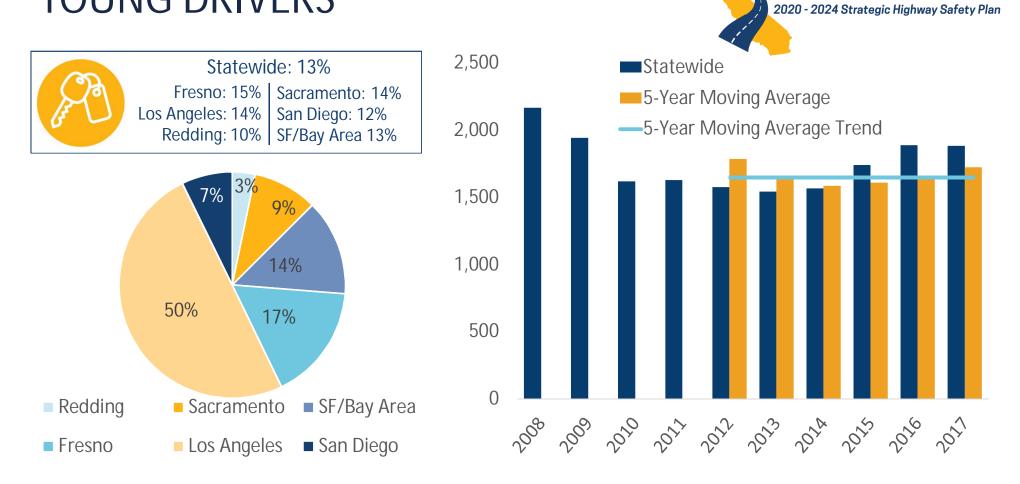
AGING DRIVERS





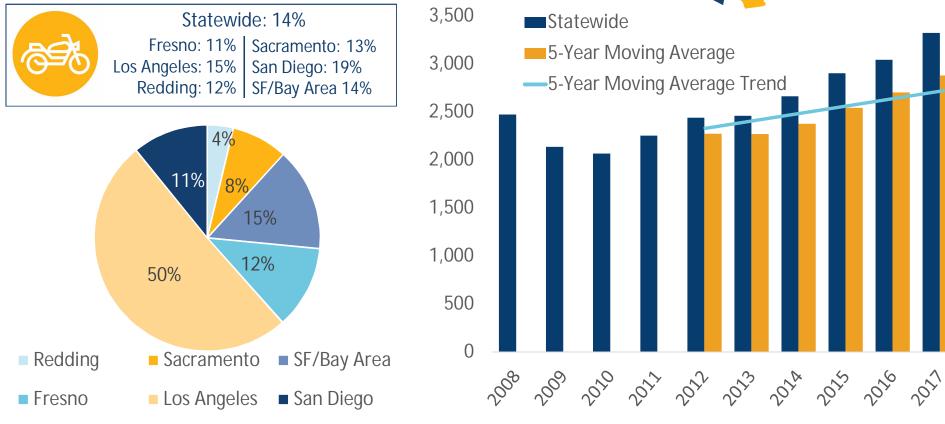


YOUNG DRIVERS



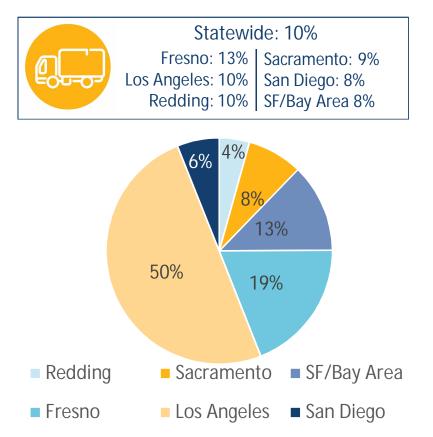
MOTORCYCLES

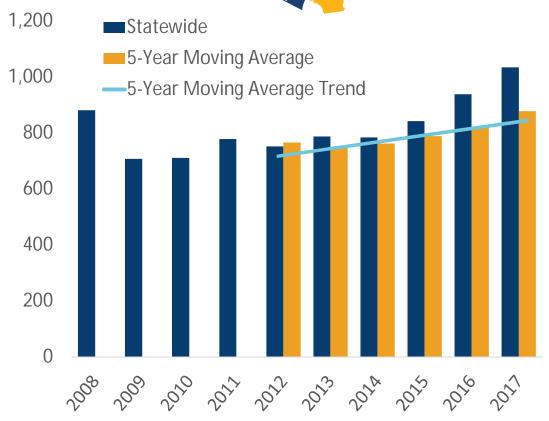




COMMERCIAL VEHICLES







BICYCLING



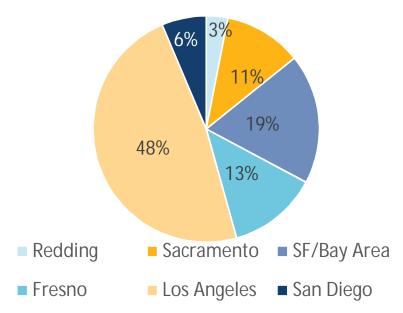


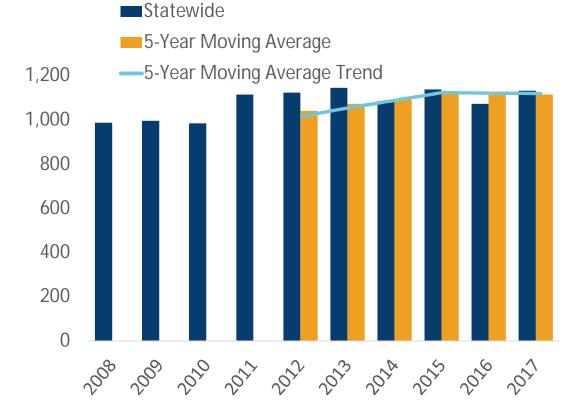
Statewide: 4%

Fresno: 4% | Sacramento: 5%

Los Angeles: 4% | San Diego: 3%

Redding: 3% | SF/Bay Area 6%





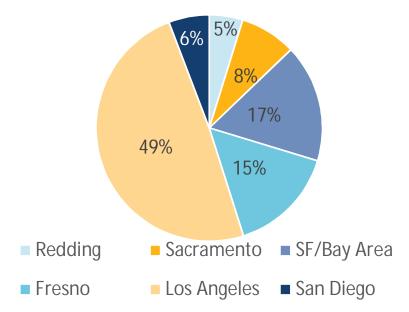
DISTRACTED DRIVING

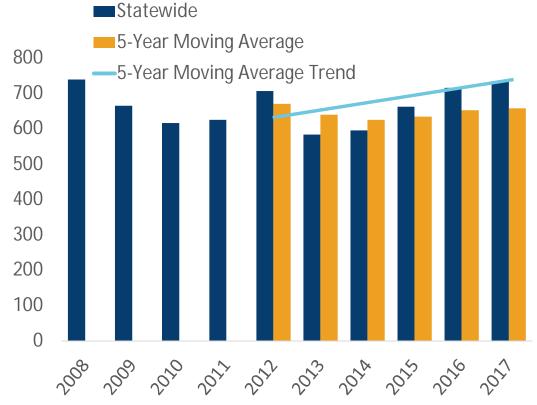




Statewide: 5%

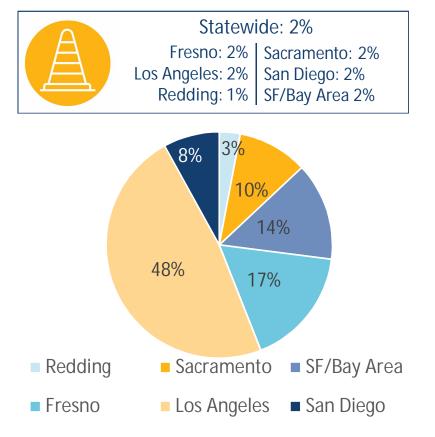
Fresno: 5% | Sacramento: 4%
Los Angeles: 5% | San Diego: 3%
Redding: 5% | SF/Bay Area 5%

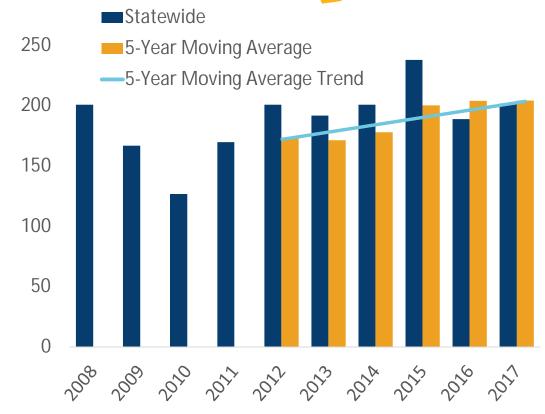




WORK ZONE









Infrastructure-Related Collisions are inclusive of a variety of collision types, including pedestrians, bicyclists, motorcycles, roadway, and intersection collisions.



Median and Pedestrian Crossing Islands





Longitudinal Rumbe Stripes









Median Barriers









Tapered Edge





Road Diet





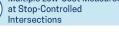






Multiple Low-Cost Measures





Reduce Left-Turn Conflict









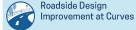
Crosswalk Enhancements

























 All offender alcohol ignition interlock law

Stronger graduated driver

Screening of older drivers

Policy

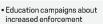
DWI courts

licensing laws

Training

Behavior-Related Collisions are inclusive of a variety of collision types, including aggressive driving, alcohol-involved, drug-involved, distracted, young driver, and aging driver collisions.

Education





 Alternative transportation programs



 Increased parental involvement programs



· Mandatory driver education for novice drivers



 Education campaigns for physicians and law enforcement about older driver screening



 Education campaigns targeted to low seat-belt users



School programs

Enforcement



 Employer-based programs targeting workers that are at higher risk of drowsy-driving

Drug recognition expert

Motorcycle rider training

Automated enforcement for

speed and red light running.

Technology

training for law enforcement















· High visibility enforcement



Saturation patrols



 Enforcement of graduated driver licensing and zero tolerance laws



Integrated enforcement







Website: http://www.dot.ca.gov/trafficops/shsp/ Email: SHSP@dot.ca.gov





Median and Pedestrian Crossing Islands







Pedestrian Hybrid Beacon







Leading Pedestrian Intervals





Walkways





Road Diet







Crosswalk Enhancements



Con

Corridor Access Management







Roadside Design Improvement at Curves







Enhanced Delineation and Friction for Horizontal Curves









Longitudinal Rumbe Stripes





Median Barriers





Tapered Edge





Reduce Left-Turn Conflict Intersections





Multiple Low-Cost Measures at Stop-Controlled Intersections









Dedicated Left-turn and Right-turn lanes





Roundabouts





Yellow Change Intervals





Policy

All offender alcohol ignition interlock law



DWI courts



Stronger graduated driver licensing laws





Screening of older drivers





Training

- Employer-based programs targeting workers that are at higher risk of drowsy-driving
- Drug recognition expert training for law enforcement
- Responsible beverage service training
- Motorcycle rider training



Technology

 Automated enforcement for speed and red light running.



Website: http://www.dot.ca.gov/trafficops/shsp/ Email: SHSP@dot.ca.gov

Education

- Education campaigns about increased enforcement
- Alternative transportation programs



 Increased parental involvement programs



 Mandatory driver education for novice drivers



about older driver screening • Education campaigns targeted

physicians and law enforcement

• Education campaigns for

to low seat-belt users



School programs





Enforcement

• High visibility enforcement



• Publicized sobriety checkpoints



Saturation patrols



• Enforcement of graduated driver licensing and zero tolerance laws



• Integrated enforcement







SAFETY STRATEGY SESSION



- Open House Format
- Discuss data and strategies with facilitators and attendees at 5 stations
- Fill out comment forms

- What is the biggest safety issue in your community?
- What specific data should drive the strategies?
- What strategies/programs are most effective in your region?
- What can be done to improve implementation?
- What other ideas do you have?

SAFETY STRATEGY SESSION



- Handouts
 - Statewide Overview
 - Data specific to each sub category
 - Example strategies

Safety Strategy Session



Stations

Overview

Collision Overview
Vision / Mission / Objective

Drivers & Passengers

- 1. Driver licensing
- 2. Aggressive driving
- 3. Driving under influence
- 4. Distracted driving
- 5. Occupant protection
- 6. Young drivers (<21)
- 7. Aging drivers (>65)
- 8. Commercial vehicle operations

Infrastructure

- 9. Intersections
- 10. Lane/Roadway departures
- 11. Work zones

Vulnerable Users

- 12. Pedestrians
- 13. Bicyclists
- 14. Motorcyclists

Vehicles

15. Equipment

Emergency Response

16. Emergency Response

